

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
900000	1.5 S.F.	SHEET ALUMINUM POLE MOUNTED SIGN
900000	1 EACH	VIDEO DETECTION CAMERA

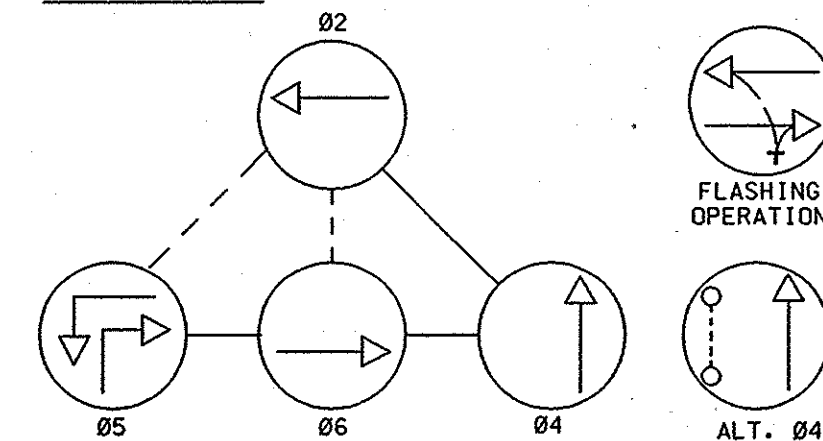
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
100000	1 EA	MAINTENANCE OF TRAFFIC
203030	1 CY	TEST PIT EXCAVATION
585412	384 LF	12\"/>
585424	90 LF	24\"/>
555104	420 SF	4\"/>
655120	16 SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS
800000	2 EA	F & I AUDIBLE / TACTILE PED PUSHBUTTON STATION AND SIGNS
800000	2 EA	FURNISH 2 WIRE CENTRAL CONTROL
800000	2 EA	F & I LED 16\"/>
800000	1 EA	REMOVE AND DIPOSE OF EXISTING MATERIALS & EQUIPMENT
801004	2 CY	CONCRETE FOR SIGNAL FOUNDATION
802501	95 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805125	110 LF	F & I 2\"/>
811001	1 EA	F AND I ELECTRICAL HANDHOLE
801607	2 SF	INSTALL SHEET ALUMINUM SIGN
816001	2 EA	VIDEO DETECTION CAMERA
816005	2 EA	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
818004	2 EA	10 FT BREAKAWAY PED POLE
837001	1 EA	GROUND ROD 3/4 IN. DIA. X 10 FT. LENGTH
861105	347 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG.)
861107	386 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG.)

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
		ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR

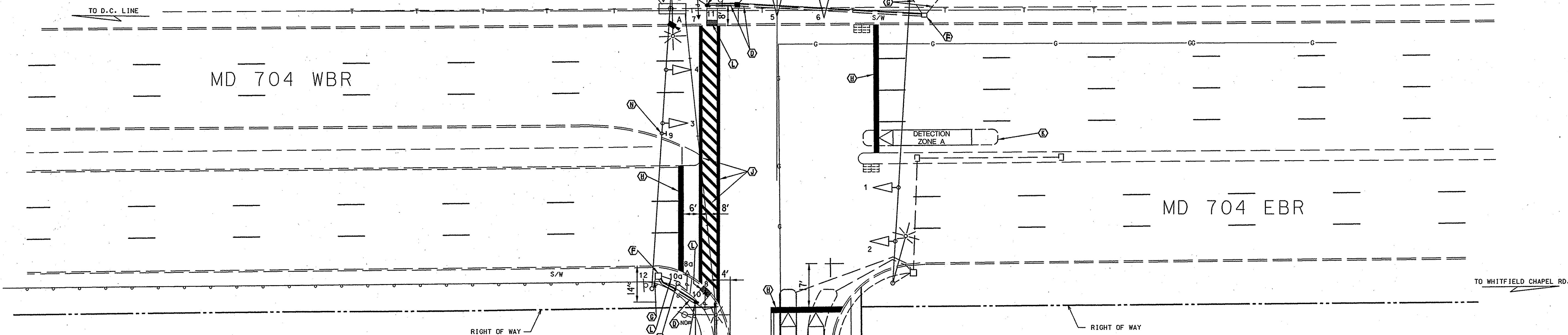
NEMA PHASING:



1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

- REMOVE EXISTING PEDESTRIAN POLE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND PEDESTRIAN EDUCATION SIGN.
- USE EXISTING STEEL POLE AND INSTALL VIDEO DETECTION CAMERA ON THE EXISTING POLE AND EXISTING LIGHTING ARM. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND PEDESTRIAN EDUCATION SIGN.
- INSTALL PROPOSED 10 FT PEDESTRIAN POLE WITH LED BLACK FACE PEDESTRIAN COUNTDOWN SIGNAL HEAD, ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTON AND PEDESTRIAN EDUCATION SIGN. (NOTE: 1-2 IN. SCHEDULE 80, 90-DEGREE POLYVINYL CHLORIDE CONDUIT BEND.)
- INSTALL 2 IN SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT-TRENCHED.
- USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- INSTALL 24 IN. WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
- INSTALL 12 IN. WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (CROSSWALK LINE).
- ABANDON EXISTING LOOP DETECTOR.
- INSTALL PROPOSED DETECTABLE WARNING SURFACE AS SHOWN.
- INSTALL PROPOSED HANDBOX.
- REMOVE EXISTING SIGN.
- ABANDON EXISTING CONDUIT.



NOTES TO THE CONTRACTOR:

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL UNUSED CABLES FROM THE EXISTING CONDUITS AND HANDHOLES.
- THE VIDEO DETECTION CAMERAS ARE SHOWN IN APPROXIMATE LOCATIONS AND ARE FOR INFORMATION PURPOSES ONLY. EXACT LOCATION AND AIMING DIRECTION OF THE VIDEO DETECTION CAMERAS SHALL BE DETERMINED AND/OR APPROVED BY THE ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. ED RODENHIZER TO COORDINATE AT (410)787-7652.

PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MR. LEE STARKLOFF
ASSISTANT DISTRICT ENGINEER- TRAFFIC
PHONE: (410) 513-7318

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 513-7304

MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (410) 513-7350

MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC
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PHONE: (410) 787-7631

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN
DIVISION

TRAFFIC SIGNAL PLAN
MD 704 & GREENLEAF ROAD

UTILITY LEGEND
— G — GAS MAIN
— W — WATER MAIN
— S — SEWER MAIN
— E — ELECTRIC CABLES
— A — AERIAL CABLES
— T — TELEPHONE CABLES
— D — STORM DRAIN
— TV — CABLE TV

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
05/20/06 - INSTALL ACCESSIBLE PEDESTRIAN SIGNAL, PEDESTRIAN COUNTDOWN SIGNALS AND VIDEO DETECTION
06/21/78
REVISED CABINET LOCATION

SCALE 1"= 20'	DATE 8-6-74	CONTRACT NO. P408001385
DESIGNED BY: ROBERT W. TYSON	COUNTY: PRINCE GEORGE'S	
DRAWN BY: B. TYSON	LOGMILE: 16070402.58	
CHECKED BY:	TIME: H643	
F.A.P. NO.: M-5025(2)	TOD:	
TS NO. 11930 C	DRAWING NO.	OF
		SHEET NO. 1 OF 1